

# What's Included with Every JOK3R-R Kit?

All JOK3R-R kits come fully assembled and ready for installation.

Each kit includes:

- Full set of ride height shims
- **Kimbrough KP114 (25T) servo saver**
- Spare pair of steering hubs
- Spare set of band bobbins
- Spare pivot guide
- Spare thumb nuts
- Two different servo mounts to suit most 1/12th and 1/10th scale servos
- Additional shims and spacers for fine adjustment
- King Pin spanner, included from February 2026 onward
- 3DP ride height gauge, included from February 2026 onward

Everything you need to install and tune the core assembly is included in the box.

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## Recommended Options

### Spur Gear and Pinions

**Long boss pinions are highly recommended.** They allow better attachment to the motor spindle shaft by increasing the contact area, ensuring the pinion spins true with no wobble and delivers smooth, reliable power.

We offer pinions individually in sizes **14T to 24T**, and as complete **5-pinions sets: 14–18T for brushed motors** and **19–23T for brushless motors**.

For spur gears, selection depends on track size and motor type:

- **Very large tracks running brushless motors:** 40–43T spurs
  - **Medium-size tracks running brushless motors:** 44–46T spurs
  - **Brushed motors:** typically restricted to 46T and 48T spurs
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### Motor

For brushed setups, we offer **Core 21 motor**.

For brushless setups, we provide two options of **IMPOST3R motor**. **25.5T version** is widely used at most clubs for balanced performance, while **30.5T version** offers more manageable power and speed. This makes it ideal for beginners and a smooth stepping stone for drivers moving up from brushed class.

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## Servo

The **JOK3R front-mount servo kits** are very popular. Each kit includes a custom mount and a micro servo that sits between the A-Arms, freeing up space for the electronics installation. These front-mount kits are fully compatible with the kit-supplied **KP114 servo saver**.

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## ESC

We offer two brushless ESC options for JOK3R-R setups:

- **Hobbywing 10BL60** – an entry-level, budget-friendly option, ideal for getting started with brushless systems.
  - **Orca Totem** – a lighter and more compact ESC with advanced programmable settings, configurable via the Blucon or Program Card. It also includes **reverse polarity protection**, offering greater flexibility and control for more experienced drivers.
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## Bodyshell and Optional Bumpers

We offer a good range of different bodysells. The most popular choices are the **Phat Bodies Mad Mini Max** and **Kamtec 757**.

We also offer a specially designed **front bumper** compatible with both of these bodysells, and a **rear diffuser bumper** specifically designed for the **Phat Bodies Mad Mini Max**. These bumpers are designed to better support the front splitter section of the shells, providing improved protection and reliability when racing by reducing the risk of the shell tucking under the front of the car.

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## Response Side Bands

We offer three different side bands designed for fine-tuning side roll and handling. These allow you to adjust the car's balance and responsiveness to suit different track conditions and driving styles.

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## Tyres

We offer a range of tyres to suit different track surfaces and conditions. For guidance on choosing the right tyres and preparing them for racing, see our dedicated article on **Tyre Choice and Preparation**, also available in the **Downloads** section of the webshop.

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## Recommended Spares

With a selection of essential spares already included in your new **JOK3R-R kit box**, keeping a few additional parts in your pit box is still recommended for race days.

A spare pair of **A-Arms** is particularly useful. The kit standard geometry is **2+0**, however we also offer optional A-Arm pairs with different **camber and caster variations**, allowing you to fine-tune the front-end handling characteristics to suit different track conditions and driving styles.

Having an additional pair available also ensures you can quickly replace parts if needed during a race meeting.

We also offer a range of **spring options** for further suspension tuning. The kit is assembled with **Medium springs all round**, which suit most racing conditions.

- **Front springs:** Soft, Medium (kit standard), Hard
- **Rear springs:** Super Soft, Soft, Medium (kit standard), Hard

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These options allow you to fine-tune the balance and handling of the car for different track conditions. For additional guidance, see the **Downloads** section for a selection of setups from other JOK3R users. We have also included a **Bumpy Track Setup Guide**, providing a good start point on rougher surfaces.

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Check out the Facebook Help Group: BattCave Mini Support Group and give us a follow on the Official BattCave Facebook Page [@BattCaveRC](#) for all news and updates.

Enjoy your new JOK3R-R, and we look forward to seeing you all trackside soon!